DISCIPLINE: Confidentiality and Integrity
Discipline Roadmap for: Network Encryption (VPN)

DOMAIN: SECURITY

Current	2 Years	5 Years
Baseline Environment	**Tactical Deployment**	**Strategic Direction**

Products:

IPSEC VPN
Citrix
Juniper
Checkpoint
Nokia
Sonicwall

SSL VPN
Citrix
Checkpoint
Cisco
Juniper

End to end visibility with the nodes cooperating with the upstream network hardware to provide security while not losing compliance checking capabilities

Shared	Agency
	✓

Retirement Targets

None

Mainstream Platforms (must be supported)

Containment Targets

None

Emerging Platforms

Market Watch

Implications and Dependencies
- Visibility wanes quickly when IPSEC or SSL encryption is put in place inside networks. Issues surrounding malware and stealthed
- Attack vectors through encrypted tunnels is a challenge that upper management and IT security may shy from for quite some time.
- Proxy capability similar to what exists in the market for external SSL email could move internal.

Roadmap Notes
- Mature standards with management being the larger challenge and this type of connection making sense only in special circumstances.

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- **Discipline Boundaries:**
  - ❑ Internal Network Encryption

- **Discipline Standards:**
  - ❑ None

- **Migration Considerations:**
  - ❑ None

- **Exception Considerations:**
  - ❑ None

- **Miscellaneous Notes:**
  - ❑ None

- **Established**
  - ❑ March 26, 2008
- **Date Last Updated:**
  - ❑ March 26, 2008
- **Next Review Date:**
  - ❑ November 2009